

ENERGY STAR Specifications: APPLIANCES

Clothes Washers: The energy efficiency of qualified clothes washers was slightly modified beginning January 1, 2001, changing from an energy factor (EF) to a modified energy factor (MEF). MEF is a new equation for Energy Factor that takes into account the amount of dryer energy used to remove the remaining moisture content. The MEF of 1.26 is very similar to the Energy Factor of 2.5, and so only a few products will be affected.

	Old Criteria	New Criteria—Effective Jan. 1, 2001
NAECA	Minimum Energy Factor 1.18	not changing to a Modified Energy Factor (MEF) until 2004
ENERGY STAR	Minimum Energy Factor 2.5	Minimum MEF of 1.26

Dishwashers: Although Federal minimum efficiency standards (NAECA) are not changing for dishwashers, a new ENERGY STAR specification went into effect on January 1, 2001.

	Old Criteria	New Criteria—Effective Jan. 1, 2001
NAECA	Energy Factor (EF) .46	Not scheduled to change
ENERGY STAR	Minimum Energy Factor of .52 (or about 13% above the NAECA criteria)	Minimum Energy Factor of .58 (25% above the current NAECA criteria; rounded to next EF)

Refrigerators: New Federal minimum efficiency standards (NAECA) for refrigerators go into effect on July 1, 2001. The new ENERGY STAR specification, which is 10% above the new minimum efficiency standard, took effect on January 1, 2001.

Product Class	Current NAECA maximum energy use (kWh/year)	New NAECA maximum energy use (kWh/year) effective July 1, 2001
Top Mount Freezer without through-the-door ice	$16.0 \cdot AV + 355$	$9.8 \cdot AV + 276$
Side Mount Freezer without through-the-door ice	$11.8 \cdot AV + 501$	$4.91 \cdot AV + 507.5$
Bottom Mount Freezer without through-the-door ice	$16.5 \cdot AV + 367$	$4.6 \cdot AV + 459$
Top Mount Freezer with through-the-door ice	$17.6 \cdot AV + 391$	$10.2 \cdot AV + 356$
Side Mount Freezer with through-the-door ice	$16.3 \cdot AV + 527$	$10.1 \cdot AV + 406$

Note: AV stands for adjusted volume. Adjusted volume = Fresh Volume + (1.63 x Freezer Volume).

ENERGY STAR Criteria for Refrigerators

	Old Criteria	New Criteria Effective Jan. 1, 2001
ENERGY STAR	Must use 20% less energy than the current NAECA maximum energy use.	Must use 10% less energy than the 2001 NAECA maximum energy use.

Air Conditioners (Room Units): The new ENERGY STAR criteria for room air conditioners is 10% above the new NAECA criteria. Currently, only units *without* reverse cycle (heating function), and *with* louvered sides are considered for ENERGY STAR status. The numbers in the following table represent the Energy Efficiency Ratios (EER) that should be used to determine qualification for the ENERGY STAR label. They have been rounded to a single decimal and meet the specification of 10% more efficient than the new NAECA standard.

Product Class (Btu/Hr.)	Old NAECA Criteria	Old ENERGY STAR Criteria	October 1, 2000 NAECA Criteria	October 1, 2000 ENERGY STAR Criteria
< 6,000	8.0	9.2	9.7	10.7
6,000 to 7,999	8.5	9.75	9.7	10.7
8,000 to 13,999	9.0	10.35	9.8	10.8
14,000 to 19,999	8.8	10.1	9.7	10.7
> 20,000	8.2	9.4	8.5	9.4